

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/01426

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H02J 3/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H01B, H01F, H02G, H02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| X | US 3412199 A (P.P.YEH), 19 November 1968 (19.11.68), column 1, line 26 - line 55 -- | 1-18 |
| A | US 5716574 A (YOUICHI KAWASAKI), 10 February 1998 (10.02.98), column 1, line 12 - line 32 -- | 1-18 |
| A | DATABASE WPI Week 199442 Derwent Publications Ltd, London, GB; Class X12, AV 1994-337190 & JP 6261456 A (HITACHI LTD) 16 September 1994 (1994-09-16) -- | 6 |

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 October 2003

Date of mailing of the international search report

17-10-2003

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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| A | PATENT ABSTRACTS OF JAPAN Vol. 12, no. 035 (E-579) 2 February 1988 (1988-02-02) & JP 62188304 A (KANSAI ELECTRIC POWER CO INC.) 17 August 1987 (1987-08-17) sammandrag -- | 9 |
| A | EP 0825465 A1 (ALCATEL ALSTHOM COMPAGNIE GENERALE D'ELECTRICITE), 25 February 1998 (25.02.98), figure 1, abstract -- | 10 |
| A | US 4751488 A (THOMAS J. LANQUE ET AL), 14 June 1988 (14.06.88), column 3, line 43 - line 49, figure 1 -- ----- | 1-18 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

06/09/03

International application No.

PCT/SE 03/01426

| Patent document cited in search report | | | Publication date | Patent family member(s) | Publication date |
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| US | 5716574 | A | 10/02/98 | JP 8298032 A | 12/11/96 |
| EP | 0825465 | A1 | 25/02/98 | SE 0825465 T3 | |
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